

FIG. 1

2 / 1 4

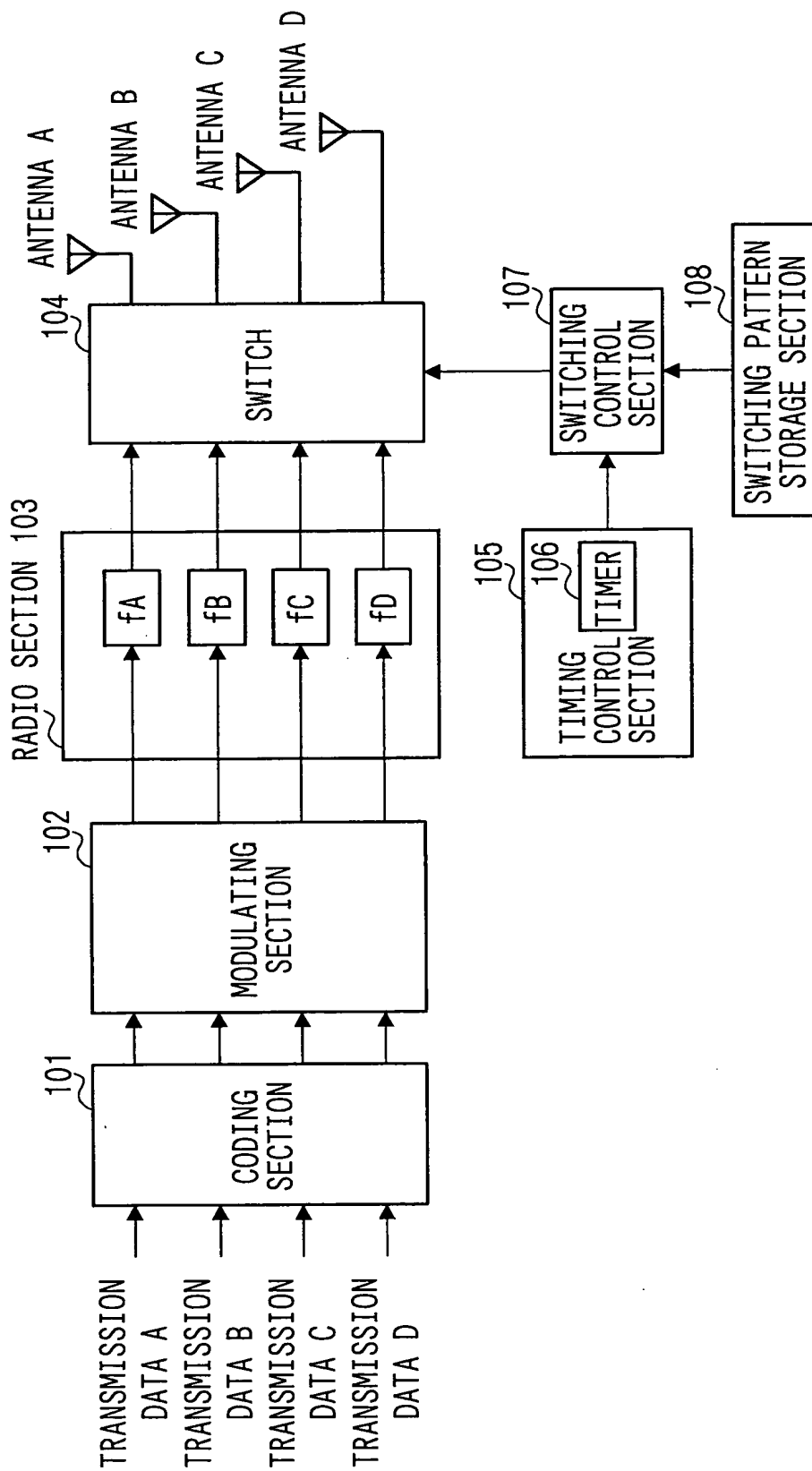


FIG. 2

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SWITCHING PATTERN

	ANTENNA A	ANTENNA B	ANTENNA C	ANTENNA D
PATTERN 1	fA	fB	fC	fD
PATTERN 2	fD	fA	fB	fC
PATTERN 3	fC	fD	fA	fB
PATTERN 4	fB	fC	fD	fA

FIG. 3

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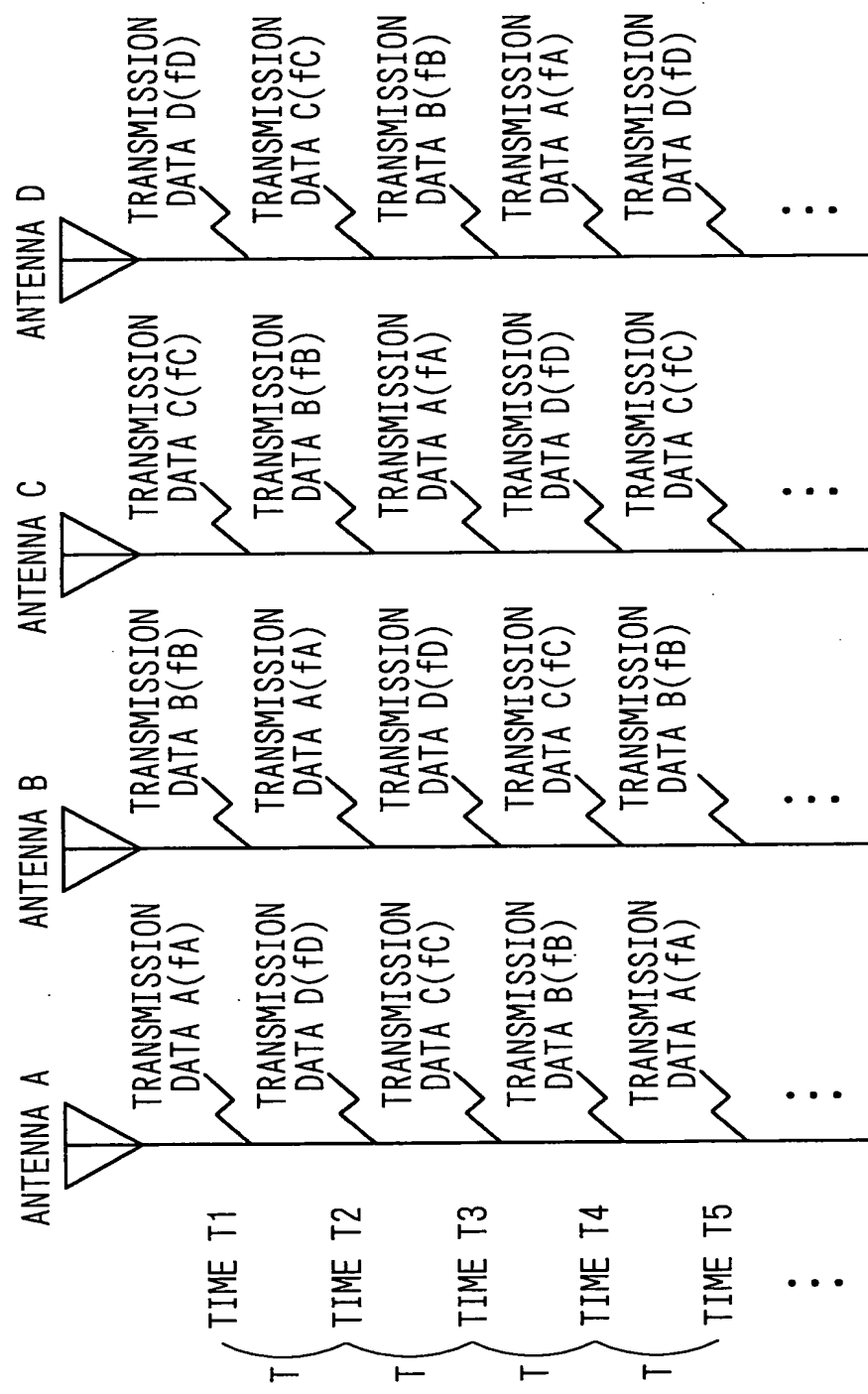


FIG. 4

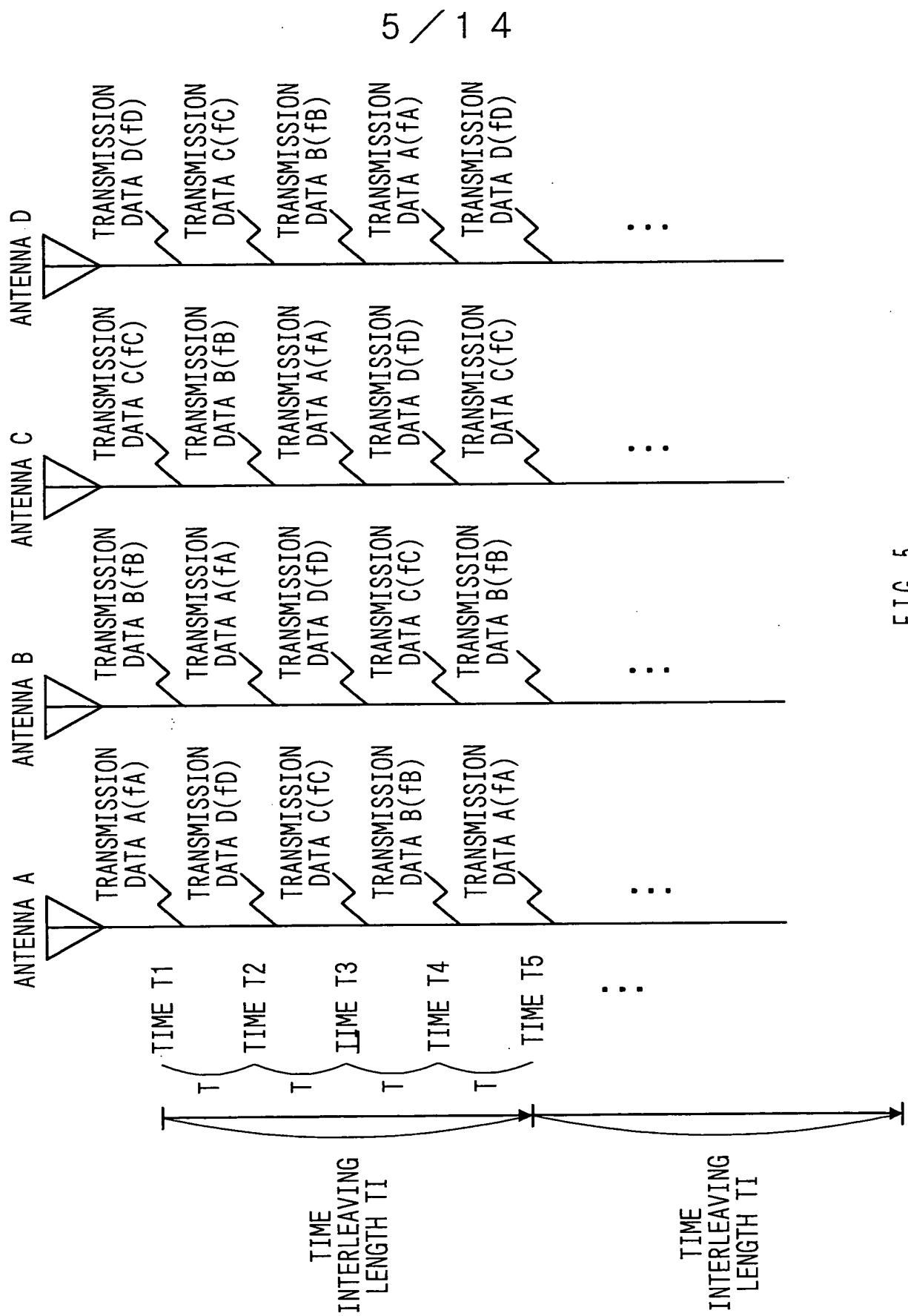


FIG. 5

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SWITCHING PATTERN

	ANTENNA A	ANTENNA B	ANTENNA C	ANTENNA D
PATTERN 1	fA	fB	fC	fD
PATTERN 2	fD	fC	fB	fA

FIG. 6

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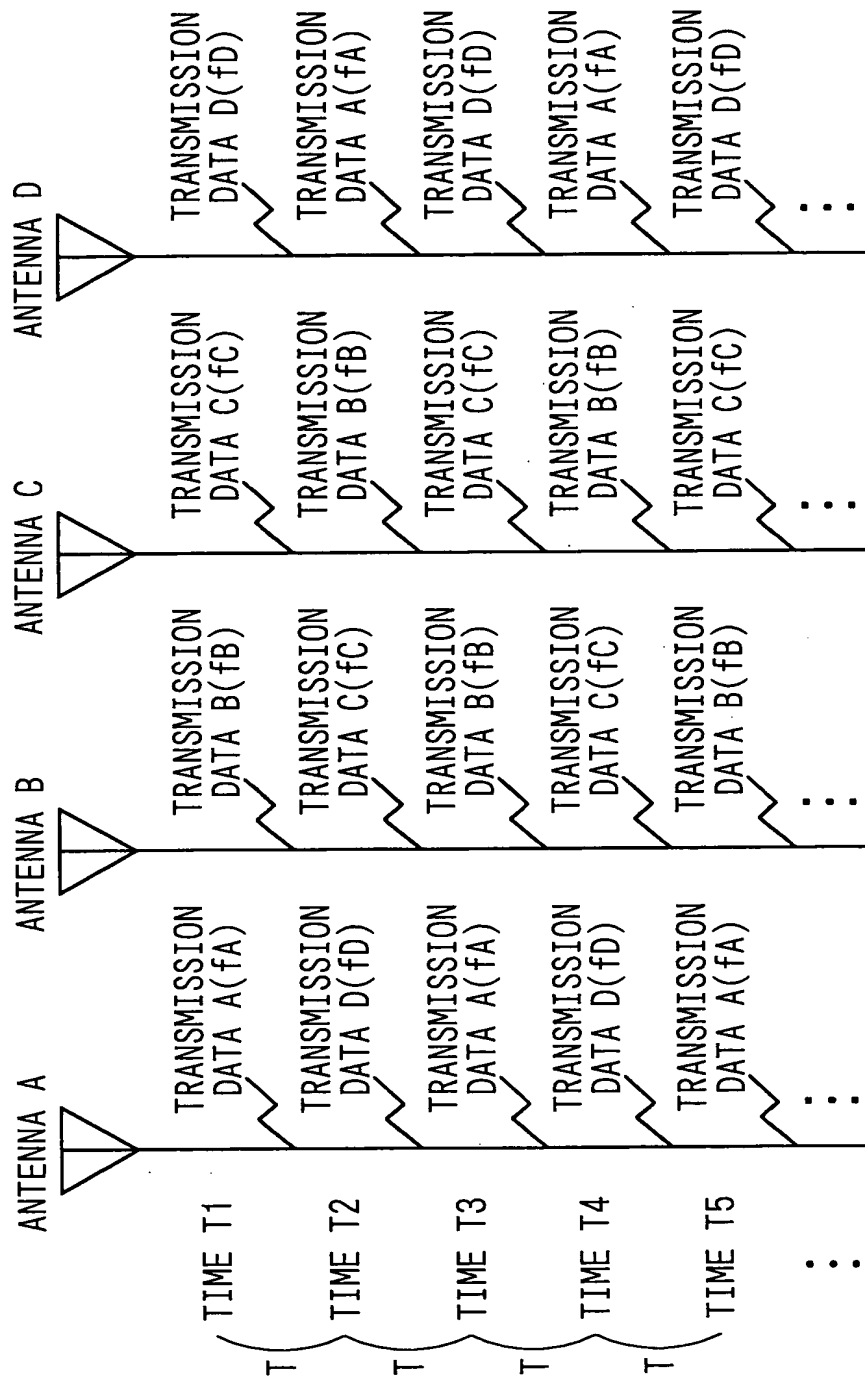


FIG. 7



FIG. 8

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SWITCHING PATTERN

	S1	S2	S3	S4
PATTERN 1	TRANSMISSION DATA A	TRANSMISSION DATA B	TRANSMISSION DATA C	TRANSMISSION DATA D
PATTERN 2	TRANSMISSION DATA D	TRANSMISSION DATA A	TRANSMISSION DATA B	TRANSMISSION DATA C
PATTERN 3	TRANSMISSION DATA C	TRANSMISSION DATA D	TRANSMISSION DATA A	TRANSMISSION DATA B
PATTERN 4	TRANSMISSION DATA B	TRANSMISSION DATA C	TRANSMISSION DATA D	TRANSMISSION DATA A

FIG. 9

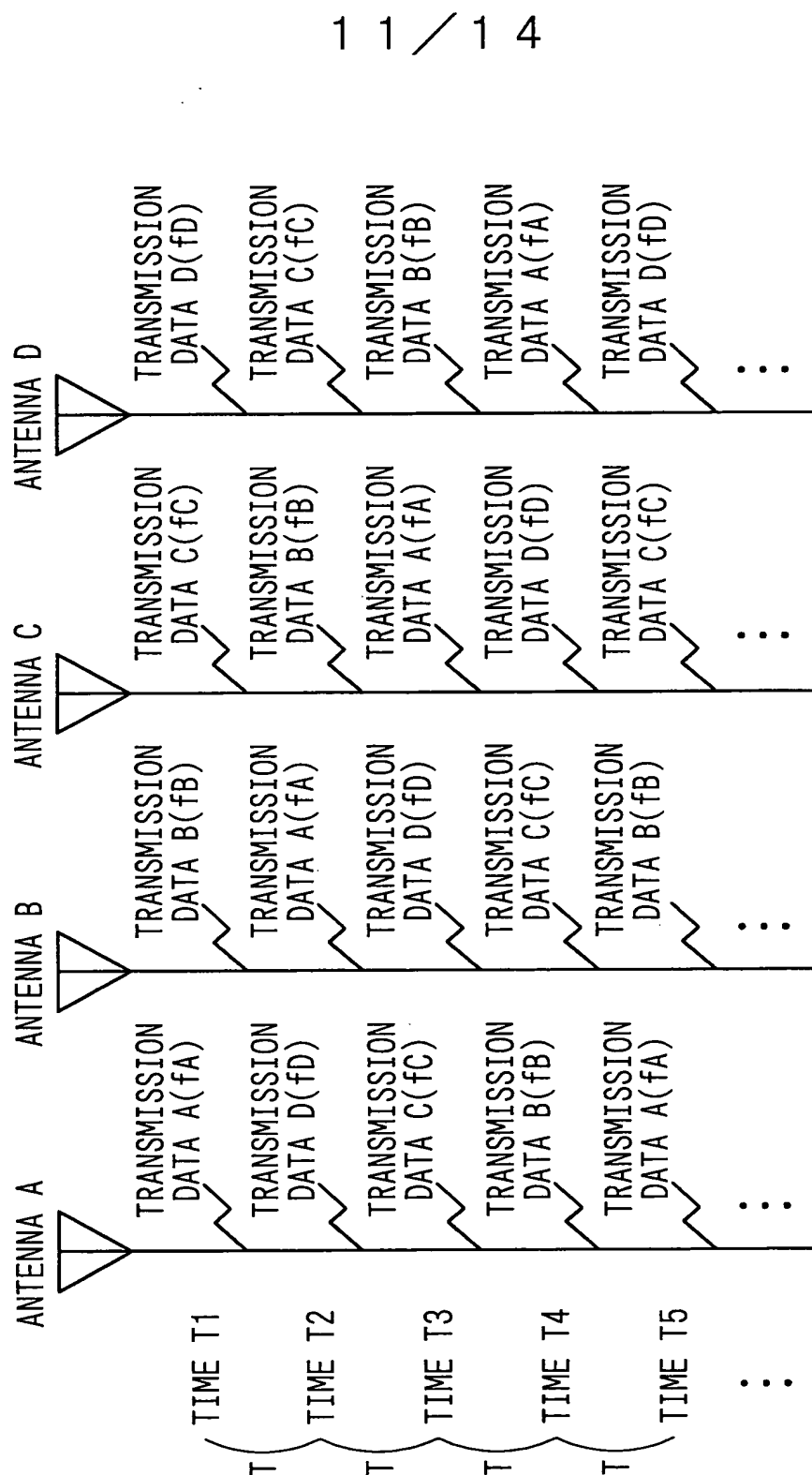
1 0 / 1 4

SYNTHESIZER FREQUENCY SWITCHING TIMING

	S1	S2	S3	S4
T1	fA	fB	fC	fD
T2	fD	fA	fB	fC
T3	fC	fD	fA	fB
T4	fB	fC	fD	fA
T5	fA	fB	fC	fD

⋮

FIG. 10



1 2 / 1 4

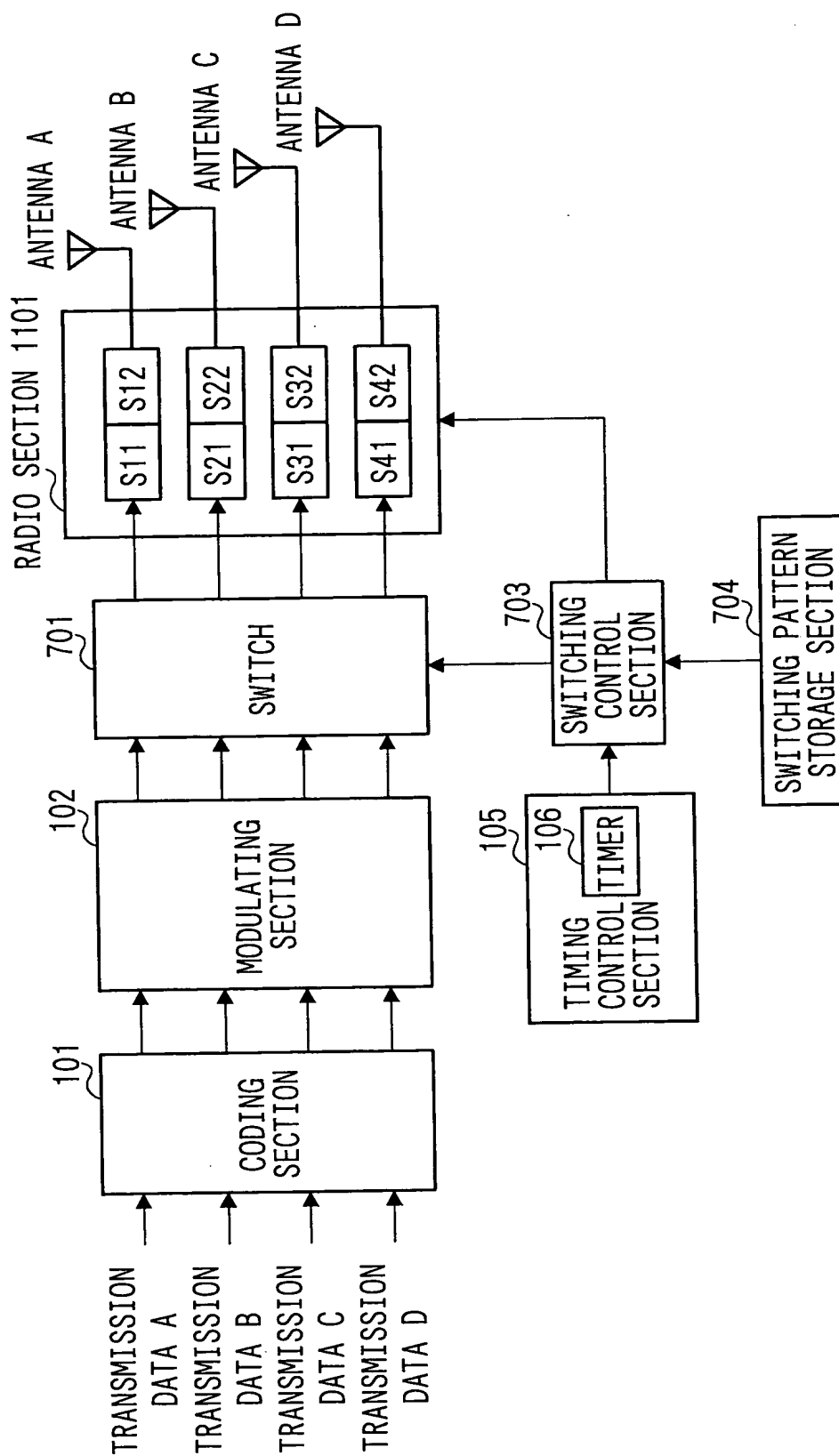


FIG. 12

1 3 / 1 4

SYNTHESIZER FREQUENCY SWITCHING TIMING

	ANTENNA A		ANTENNA B		ANTENNA C		ANTENNA D	
	S11	S12	S21	S22	S31	S32	S41	S42
T1	fA	FREQUENCY SWITCHING	fB	FREQUENCY SWITCHING	fC	FREQUENCY SWITCHING	fD	FREQUENCY SWITCHING
T2	FREQUENCY SWITCHING	fD	FREQUENCY SWITCHING	fA	FREQUENCY SWITCHING	fB	FREQUENCY SWITCHING	fC
T3	fC	FREQUENCY SWITCHING	fD	FREQUENCY SWITCHING	fA	FREQUENCY SWITCHING	fB	FREQUENCY SWITCHING
T4	FREQUENCY SWITCHING	fB	FREQUENCY SWITCHING	fC	FREQUENCY SWITCHING	fD	FREQUENCY SWITCHING	fA
T5	fA	FREQUENCY SWITCHING	fB	FREQUENCY SWITCHING	fC	FREQUENCY SWITCHING	fD	FREQUENCY SWITCHING

⋮

FIG. 13

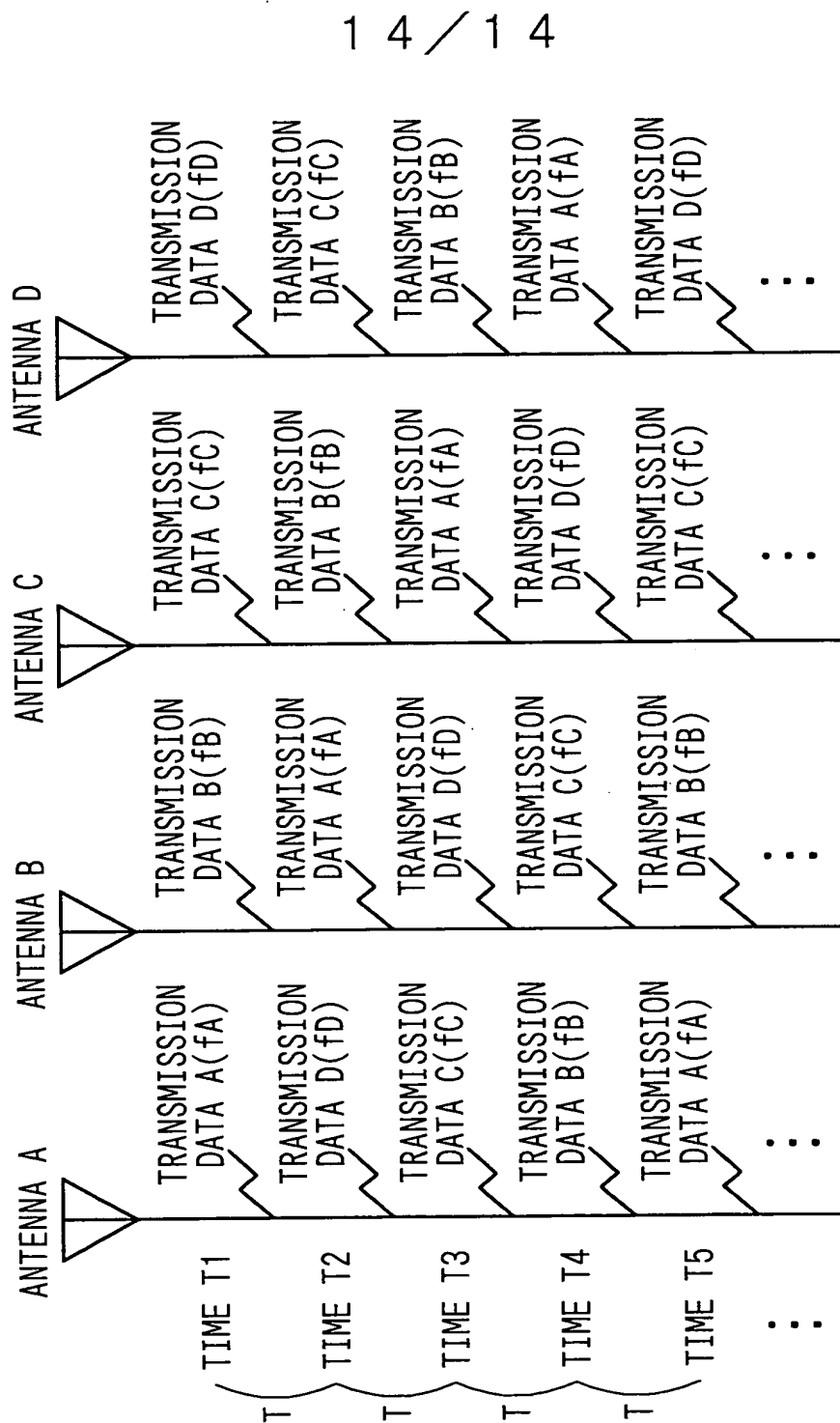


FIG. 14